

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE 2003/001768

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H01P 1/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H01J, H01P, H01Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE, DK, FI, NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0330539 A1 (THOMSON-CSF), 30 August 1989 (30.08.1989), the whole document --	1-16
A	GB 468548 A (WESTERN ELECTRIC COMPANY INCORPORATED), 7 July 1937 (07.07.1937), the whole document --	1-3
A	EISENHART, R. L.: "A novel wideband TM01-to-TE11 mode convertor". IEEE MTT-S DIGEST, 1998, Vol. 1, pages 249-252, AN: 5985784 --	1,3

 Further documents are listed in the continuation of Box C. See patent family annex.

- * Special categories of cited documents
- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed
- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
- "&" document member of the same patent family

Date of the actual completion of the international search

29 January 2004

Date of mailing of the international search report

16-02-2004

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4999591 A (KOSLOVER, R.A. ET AL), 12 March 1991 (12.03.1991), cited in the application; see the whole document --	1,3
A	YANG, S. et al.: "Optimization of novel high-power millimeter-wave TM01-TE11 mode converters". IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, April 1997, Vol. 45, No. 4, pages 552-554, AN: 5561877 --	1,3
A	JANZEN, J.: "Mode converters from TE0m to TEm0 for high-power applications in the frequency range 1 to 30 GHz". INT. J. ELECTRONICS, 1984, Vol. 57, No. 6, pages 1219-1224, AN: 2531643 -- -----	1-16

INTERNATIONAL SEARCH REPORT
Information on patent family members

24/12/2003

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EP	0330539	A1	30/08/1989	FR	2627633	A, B	25/08/1989
				JP	2009202	A	12/01/1990
				US	4973924	A	27/11/1990
GB	468548	A	07/07/1937	DE	738361	C	00/00/0000
				FR	49564	E	11/05/1939
				FR	49566	E	11/05/1939
				FR	818503	A	30/09/1937
				GB	491196	A	29/08/1938
				NL	47517	C	00/00/0000
				NL	49995	C	00/00/0000
				NL	79472	C	00/00/0000
				US	2129669	A	13/09/1938
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